

JECH, C.

"Study of Formation of Radioactive Deposits on Dust Particles of Varying Size", P. 333, (CHEMICKE LISTY, Vol. 48, No. 3, Mar. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

Jech, C.

GERM.

332.61

2465. Changes of surface properties by irradiation  
with  $\alpha$ -rays. C. Jech. Z. phys. Chem. [Leipzig] 203,  
No. 5-6, 309-11 (vol. 1954) In German.

The contact angle between water and a polystyrene  
surface is progressively decreased by (prior) exposure  
of the surface to the  $\alpha$ -rays from a polonium source.  
No such effect is observed in vacuum, from which it  
is concluded that the effect in air is due to the action  
of the ionized air at the surface. W. GOOD

W. A. YOUTZ

3 copies

RW  
RM

JECH, CESTMIR

Radioaktivni aerosoly. Praha, Nakl. Ceskoslovenske akademie ved, 1955. 41 p. (Ceskoslovenska akademie ved. Sekce chemicka. Mala kniznice chemickych listu. sv. 5)  
(Radioactive aerosols. 1st ed. illus., bibl., graphs, index, tables).

SO: Monthly Index of East European Accesssions (EEAI) LC, Vol. 7, No. 1, Jan. 1953

JECH, C.

Radioactive aerosols. p. 577

CHEMICKÉ LISTY (Ceskoslovenska akademie ved. Ceskoslovensak spolecnost chemicks) Praha, Čzechošlovakia. Vol. 49, no. 4, Apr. 1955

no. 1, Jan  
Monthly List of East European Accessions (EEAI) LC, Vol. 9/ 1960  
Uncl.

Jech, C.

Natural background for measuring radioactive aerosols. P. 192  
CESKOSLOVENSKY CASOPIS PRO FYSIKU. (Ceskoslovenska akademie ved.  
Ustav technicke fysiky) Praha  
Vol. 6, no. 2, Mar. 1956

Source: FEAL - LC Vol. 5. No. 10 Oct. 1956

POLACEK, E., Doc., Dr.; JECH, C., Dr.; za technicke spoluprace  
M. Kristana.

Absorption of 0.9 o/o sodium chloride injected subcutaneously  
in dehydration shock. Cesk. pediat. 11 no. 6:406-411 June 56.

1. Z. I. detske kliniky: predn. prof. Dr. J. Svejcar, a z  
Ustavu fysikalni chemie CSAV; predn. akademik R. Brdicka.  
(DEHYDRATION, experimental,

eff. of isotonic solution, absorp. rate after  
subcutaneous admin. in rats. (Cz))

(ISOTONIC SOLUTIONS, effects,  
on exper. dehydration shock, absorp. rate after  
subcutaneous admin. in rats. (Cz))

EXCERPTA MEDICA Sec.2 Vol.10/10 Phy. Biochem. Oct 57  
JECH C.

4480. JECH C. Inst. of Phys. Chem., Czechoslovak Acad. of Sci., Prague. \* Retention of radon decay products in human lungs ARCH.  
INDUSTR. HLTH 1956, 13/5 (475-479) Graphs 3 Illus. 1

A method has been developed for a continuous registration of radon decay products (or other radioactive aerosols) in the exhaled air. It has been established that after inhalation of air containing decay products of radon, the concentration of these products in the expired air varies considerably during the course of an exhalation. The initial expired concentration is relatively high (60%-90% of the concentration inhaled) and drops to about 30% of the inhaled concentration at the end of each normal exhalation and nearly to zero during a deep exhalation.

Carr - Minneapolis, Minn. (II, 15, 17\*)

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619610004-4



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CIA-RDP86-00513R000619610004-4"

SECH, C

POLACEK, E.; JECH, C.; za technicke spoluprace M. Kristana

Treatment of dehydration shock by saline solutibns. Cas.  
lek. cesk. 96 no.24-25:737-740 21 June 57.

1. I. detska klinika, prednosta prof. dr. J. Svejcar. Ustav  
fysikalni chemie CAV, prednosta akademik J. Brdicka. E. P.,  
Praha 2, Sokolska 2.

(DEHYDRATION, exper.

shock, eff. of saline solutions in rats (Cz))

(SODIUM, eff.

saline solutions on exper. dehydration shock in rats (Cz))

CZECHOSLOVAKIA/Physical Chemistry - Electrochemistry.

B

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67376

Author : Jech, Cestmir

Inst :

Title : Introduction of Radioactive Gases into a Metal Surface  
in the Study of Passivating Layers.

Orig Pub : Jaderna energie, 1958, 4, No 12, 390-392

Abstract : The introduction of a radioactive gas ( $Rn$  or  $Xe^{131}$ )  
into a metal surface was used in the investigation of  
passive films formed on Fe and Zn as a result of cor-  
rosion inhibitors of the chromate type. The gas was  
blown not very deeply into the pre-passivated metal,  
while ionized by the discharge of a high-frequency  
current; a Tesl/? transformer was used. At different  
time intervals of sample exposition to an aggressive  
medium (saturated water vapor containing  $SO_2$ ) radiograms  
were recorded from which rates of radioactivity loss by

Card 1/2

- 31 -

JECH, C.

"Radioisotopes in Scientific Research," and an international conference  
of UNESCO."

P. 244 (Chemie, Vol. 10, no. 3, Mar. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

POLACEK, Emil; JECH, Cestmir, Za technicke spoluprace M. Kristana

Absorption of isotonic solutions of sodium salts from the subcutaneous tissue. Cesk. pediat. 14 no.8:690-696 Aug 59.

1. Detska klinika, prednosta prof. dr. J. Svejcar Ustav pro vyzkum vyvoje dite, reditel prof. dr. J. Houstek Ustav fyzikalni chemie CSAV: reditel akademik R. Brdicka.  
(ISOTONIC SOLUTIONS, metab.)

8175 0

18.9100

Z/037/60/000/04/003/014  
E073/E535

AUTHOR: Jech, Čestmír

TITLE: Radiography with Recoil Atoms

PERIODICAL: Československý časopis pro fysiku, 1960, No 4,  
pp 294-296 + 1 plate

ABSTRACT: For very thin objects, with thicknesses of the order of a few hundred Å, it is necessary to use a radiation which does not have a high degree of penetration. For this purpose recoil atoms, which form during the decomposition of natural  $\alpha$ -radioactive substances with energies of the order of 100 keV and which penetrate to a depth of about 1000 Å in substances of uniform density, are used. In this paper a description is given of a radiography technique based on using recoil atoms and of the method of preparing a source of recoil atoms which is suitable for this purpose. The described source of recoil atoms is resistant to the effect of water, organic solvents and acids and it is also resistant to mechanical abrasion. The source can be used for ✓

Card 1/2

Card 2/2

KUBÍK, G.; JECH, C.; SPURNÝ, K.

Analytical methods for the determination of aerosols by using membrane ultrafilters. Part 4: Filter penetration by aerosol particles. Coll Cz Chem 26 no.4:1065-1071 Ap '61.

1. Mining Institute and Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

(Aerosols) (Filters and filtration)

38521

S/186/62/004/003/017/022  
E075/E436

5.5500  
AUTHORS: Jech, Č., Zhabrova, G.M., Roginskiy, S.Z.,  
Shibanova, N.D.

TITLE: The change of emanation capacity and the evolution of  
surface gaseous marker during dehydration of hydroxides

PERIODICAL: Radiokhimiya, v.4, no.3, 1962, 355-364

TEXT: The authors studied the processes of dehydration of metal  
hydroxides leading to changes in their structure and specific  
surface, using the classical emanation method with  $\text{Th}^{228}$ , as well  
as the method developed by one of the present authors (Č. Jech).  
Radioisotopes in Scientific Research. (Proc. First UNESCO Internat.  
Confer.), v.2, 491. London, Pergamon Press, 1958). In the  
latter method inert radioactive marker gases are introduced into a  
solid by bombarding its surface with gaseous ions in a high  
frequency electric discharge. Thermogravimetric and X-ray  
analyses were also used. The hydroxides studied were  
 $\text{Zn(OH)}_2$ ,  $\text{Ni(OH)}_2$ ,  $\text{Mg(OH)}_2$ ,  $\text{Al(OH)}_3$ ,  $\text{Zr(OH)}_4$  and  $\text{Th(OH)}_4$ .  
The hydroxides were heated up to 600°C. The radioactive methods  
indicated the initiation of the dehydration processes with great

Card 1/2

JECH, Cestmir

"Radioactive isotopes in the practice" by Ilja Miskovsky.  
Reviewed by Cestmir Jech. Pokroky mat fyz astr 7 no.4:247-248  
'62.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECH, Cestmir

"Man and radioactivity" by F.Behounek. Reviewed by Cestimir  
Jech. Pokroky mat fyz astr 7 no.6:364 '62.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

Z/037/62/000/005-6/041/049  
E140/E520

AUTHOR: Jech, Č.

TITLE: Sputtering of radioactive atoms from surface-layers  
of single crystals by ionic bombardment

PERIODICAL: <sup>v</sup>Československý časopis pro fysiku, <sup>12</sup>no. 5-6, 1962,  
669-672

TEXT: The atoms of radioactive isotopes of lead and bismuth  
(RaB and RaC) were incorporated into the surface layers of lead  
and copper single crystals and then sputtered by bombarding with a  
beam of krypton ions. The directional distribution of the material  
of the sputtered single crystal was compared with the distribution  
of the sputtered activity. In the lead single crystals the two  
distributions were substantially the same, which permits the use  
of radioactive labelling in this way for studying the crystal  
structure of very thin layers on the surface of a lead single  
crystal. In the experiment a thin oxide layer was formed on the  
surface of a lead single crystal by immersion for 2 min in a 30%  
solution of hydrogen peroxide, then tagged by RaB and RaC. The  
surface layer was completely isotropic. There is 1 figure.

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"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECH, C.

"Laboratories for work with radicisotopes" by J.Beranek, M.  
Hubacek, A.Pulkrab and M.Weber. Reviewed by C.Jech. Chem  
listy 56 no.11:1363-1364 N '62.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

CZECHOSLOVAKIA

JECH, C

Institute of Physical Chemistry, Czechoslovak  
Academy of Sciences, Prague

Prague, Collection of Czechoslovak Chemical  
Communications, No 3, March 1966, pp 1385-1388

"Thermal release of  $^{35}\text{S}$ sulfur from reactor irradiated  
sodium chloride."

JUCH, T.

Building elements made of lime-slag concrete called Silikalite. p. 22.

POZEMNÍ STAVBY. (Ministerstvo stavebnictví)  
Praha, Czechoslovakia Vol. 7, no. 1, Jan. 1959

Monthly List of East European accession, (SEAI), LC, Vol. 8, No. 12, Dec. 1959  
Uncl.

134151-66 T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6026045

SOURCE CODE: CZ/0034/66/000/003/0226/0226

AUTHOR: Jech, J. (Engineer)

ORG: none

TITLE: Method of heat treating steel objects, mainly those made of supraeutectoid steels

SOURCE: Hutnické listy, no. 3, 1966, 226

TOPIC TAGS: metal heat treatment, metal stress, martensite steel, austenite steel

ABSTRACT: The article is a summary of Czechoslovak Patent Application Class 18/c, 1/16, PV 3776-65, dated 11 June 65. Direct cooling from an austenization temperature in a refrigerated bath causes internal stresses and wastes refrigeration. The invention suggests a first step cooling to + 100°C of the temperature at which austenization begins. When the first cooling step from austenization temperature stops at the martensite formation temperature, and refrigeration starts at this temperature, the austenite is not stabilized, and changes more easily into martensite during refrigeration. Keeping the metal at a temperature where martensite begins to form, decreases the stability of the austenite. The first cooling step, to the martensite forming temperature may be made advantageously by immersion into a salt bath. [JPRS: 36,646]

SUB CODE: 11, 20 / SUBM DATE: none

Card 1/1 V71 JS

0976 1022

J. JECH

Journal of the Iron and  
Steel Institute  
July 1954  
Heat-Treatment and  
Heat-Treatment Furnaces

Surface Hardening of Poldi Tools. J. Jech. (Hannover, Germany,  
1953, 8, (12), 619-628) [In Czech]. Surface-hardening of  
Poldi steel-lathe tools with one and with two torches was  
studied. By a suitable adjustment of the distance between  
the burners, temperature distribution and cooling rates can  
be controlled to give a deeper, more regular hardening than  
with one burner only, and surface cracks are entirely elim-  
inated.—P. Y.

MIKULECKY, Z.; ONDRACKOVA, J.; JECH, J.

Characteristics of a small tar plant with special reference to  
late forms of skin lesions. Pracovni lek. 11 no.6:304-307 Aug 59.

1. Oddeleni pro choroby kozni OUNZ v Koline, primar MUDr. Z Mikulecky  
OHES v Koline, reditel MUDr. V. Madle.  
(TARS, eff. inj.) (SKIN DISEASES, etiol.)

L 5624-63 T/EWP(t)/ETI IJF(e) JD/DJ  
ACC NR: AP6026070

SOURCE CODE: CZ/0034/65/000/012/0872/0878

13  
B

AUTHOR: Jech, Jaroslav (Engineer)

ORG: Research Institute for Metallurgy of Iron, Prague (Vyzkumnu ustav hutnictvi zeleza)

TITLE: Note on the annealing of ball bearing steels / 6

SOURCE: Hutnické listy, no. 12, 1965, 872-878

TOPIC TAGS: ball bearing steel, annealing, temperature control, metallurgic furnace, metal heat treatment

ABSTRACT: To obtain the correct structure of the annealed ball bearing steel a narrow range of austenizing temperatures must be maintained. It is also important to control the austenite transformation range in the bulk of the charge. These requirements are best fulfilled in a continuous roller hearth furnace where the temperatures are maintained in a thin layer of the charge. The rate of cooling following the end of the austenizing temperature treatment is also important. The slower the rate of cooling the higher the amount of fine grain carbides in the metal. The behavior of the steel during the quenching operation is a function of the form in which the carbides are present. The carbides must be well dispersed and must not form agglomerates. The author thanks Engineer R. Riman, head of the Laboratory of Metal Physics, VUHZ, for carrying out the electron microscope work. Orig. art. has: 14 figures and 1 table. [Based on author's Eng. abstr.] JPRS: 34,272

SUB CODE: 11. 13 / SUBM DATE: none / ORIG REF: 002 / Sov. REF: 002 / OTH REF: 009  
Card 1/1 ass UDC: 621.822.6.002 669.14.018.251

L 34914-66 EWP(t)/ETI IJP(c) JD  
ACC NR: AP6026596

SOURCE CODE: CZ/0034/66/000/002/0128/0129

25  
5

AUTHOR: Jech, Jaroslav (Engineer)

ORG: none

TITLE: Set of diagrams of anisothermal decomposition of austenite

SOURCE: Hutnicke listy, no. 2, 1966, 128-129

TOPIC TAGS: austenite steel, heat of decomposition, metal property

ABSTRACT: Hutnicke Listy will publish a set of diagrams of anisothermal decomposition of austenite in Czech steels. These diagrams will be designated by numbers in the Czechoslovak series CSN 42 0075, but will not appear in numerical order, but according to the importance of the individual steels. The diagrams will appear as 2 pages in each issue of the Hutnicke Listy and it is expected that the publication will take 2 years. The first issue to contain the diagrams will be the April issue. The diagrams will be called ARA diagrams. The importance and application of the anisothermal austenite decomposition diagrams is discussed. [JPRS: 34,779]

SUB CODE: 11, 20 / SUBM DATE: none

Card 1/1 M95

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECH Jaroslav, inspektor JARES, Josef

Consequences of bad hardening. Srodek vyr. 115 no. 104-105 P 165.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JURKUT, A.

Procedure to determine compensations for collective farmers. p. 9.  
(Rolnicke Hlasy. Vol. 11, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. UncL.

CIHULA, J.; JECHOVA, D.; LANGER, St.

Hypertensive encephalopathy during acute glomerulonephritis;  
clinical, psychological and electroencephalographical aspects.  
Cesk. pediat. 11 no.12:905-913 Dec 56.

1. Katedra detskeho lekarstvi VLA (prof. Dr. J. Flecha), katedra  
Neurologie VLA prof. Dr. M. Sercl), detska psychiatrie KUNZ v  
Hradci Kralove.

(GLOMERULONEPHRITIS, in inf. & child  
acute, with hypertensive encephalopathy (Cz))  
(ENCEPHALOPATHY, HYPERTENSIVE, in inf. & child  
with acute glomerulonephritis (Cz))

SERCL, M.; JAROS, O.; SVACINA, J.; KOVARIK, J.; NETTL, S.; ZIRAHAL, L;  
STOVICEK, J.; LICHY, J.; JECHOVA, D.; SIMKOVA, D.; KYRAL, Vl.

Problem of the effect of one-centimeter electromagnetic waves on  
the nervous system in exposed workers (radar). Pracovni lek. 11  
no. 8:395-400 Oct 59.

1. Neurologicka klinika v Hradci Kralove, prednosta prof. Dr. Sc.  
MUDr. Mir Sercl.  
(RADAR) (NERVOUS SYSTEM, radiation eff.)

SERCL, Miroslav; JECHOVA, Dagmar; KOMRSKA, Milan; KOVARIK, Jaromir;  
KRYAL, Vlastimil; LICHA, Helena; LICHY, Josef; NETTL, Sasa;  
SIMKOVA, Dagmar; STOVICEK, Jaroslav; VRCHNA, Luhomir; ZDRAHAL,  
Leopold; TUSL, Miloslav; SVORCOVA, Stepanka; KAUT, Vlastislav

On the effect of 1-centimeter electromagnetic waves on the nervous  
system in man (radar). Sborn. ved. prac. lek. fak. Karlov. univ.  
(Hrad Kral) 4 no.4:427-440 '61.

1. Neurologicka klinika; prednosta prof. DrSc. MUDr. M. Sercl  
Katedra obecne hygieny; prednosta prof. MUDr. V. Dvorak.  
(RADAR) (NERVOUS SYSTEM physiol)

JECHOVA, Dagmar

Electroencephalography in cerebral ischemia and organic vascular diseases  
of the brain. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral)  
(Suppl) 5 no.1:3-32 '62.

1. Prednosta prof. Dr Sc. MUDr. M. Sercl.  
(ELECTROENCEPHALOGRAPHY) (CEREBROVASCULAR DISORDERS)

SERCL, Miroslav; JECHOVA, Dagmar; KOMRSKA, Milan; KOVARIK, Jaromir; KYRAL,  
Vlastimil; LICHA, Helena; LICHY, Josef; METTL, Sasa; SIMKOVA,  
Dagmar; STOVICEK, Jaroslav; VRCHA, Lubomir; ZDRAHAL, Leopold.

On the possible development of demyelinization diseases of the  
human central nervous system resulting from injury by organic  
phosphate insecticides. Sborn. ved. prac. lek. fak. Karlov.  
Univ. 9 no.1:175-182 '64.

1. Neurologicka klinika (prednosta: prof. MUDr. M. Serci, DrSc)  
Karlov University v Hradci Kralove.

SCHOL, M., prof. dr., Fdc.; JELHOVA, D.; KOMUSKA, M.; KOVARIK, J.; KYRAL, V.;  
LICHNA, H.; LICHY, J.; NETTIV, S.; SHK, A, D.; STCVICEK, J.; VRCHA, L.;  
ZDANAL, I.

The problem of late effects of poisoning with organic phosphate  
insecticides. Cesk. neurol. 28 no. 3:220-223 Ap '65.

1. Neurologicka klinika lekarske fakulty Karlovy University v  
Hradci Kralove (prednost: prof. dr. M. Sercl, DrSc.).

L 12843-66 EWT(1)/EWA(j)/EWA(b)-2 RO

ACC NR: AP6005712

SOURCE CODE: CZ/0082/65/000/003/0220/0223

AUTHOR: Serci, M.; Jechova, D.; Komrska, M.; Kovarik, J.; Hyral, V.; Licha, H.  
Lichy, J.; Nettl, S.; Simkova, D.; Stovicek, J.; Vrcha, L.; Zdrahal, I.ORG: Neurological Clinic, Medical Faculty, Charles University, Hradec Kralove  
(Neurologicka klinika lekarske fakulty KU)

TITLE: Problem of late sequellae of poisoning with organophosphate insecticides

SOURCE: Ceskoslovenska neurologie, no. 3, 1965, 220-223

TOPIC TAGS: insecticide, toxicology, biochemistry, organic phosphorus compound, neurology, biologic metabolism, nervous system

## ABSTRACT:

Insecticides containing compounds of organic phosphorus damage the periphery of the nervous system in humans because they act on neuromuscular plates, vegetative ganglia, CNS, and the brain. Study of 398 people who worked with these insecticides showed the possibility of the occurrence of late sequellae. Pseudoneurasthenic syndromes were found. The organic P compounds affect the cholinesterase complex, and possibly hydrolysing ferment, and glycolysis and phosphorylation of serines. Myeline metabolism may be damaged permanently. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 009

Card 1/1 HW

SERCL, Miroslav; JECHOVA, Dagmar; KOMRSKA, Milan; KOVARIK, Jaromir;  
KYRAL, Vlastimil; LICHA, Helena; LICHY, Josef; NETTL, Sasa;  
SIMKOVA, Dagmar; STOVICEK, Jaroslav; VRCHA, Lutomir; ZDRAHAL,  
Leopold

Comparison of neurologic findings and organic phosphate serum  
cholinesterases in delayed effects of insecticides on the human  
body. Sborn. ved. prac. lek. fak. Karlov. univ.: Suppl. 8 no.4:  
415-433 '65.

1. Neurologicka klinika (prednosta prof. MUDr. M. Sercl, DrSc.).

BARTOUSEK, Vladimir; JECHOVA, Dognar; ONDRACEK, Jeroslav

Pharmacological effects on afferent influence on respiratory dis-  
orders. Cesk. neur. 22 no.2:145-148 Mar 59.

I. Neurologicka klinika VIA J Ev. P., prednosta prof. dr. Sc. MUDr.  
Miroslav Serel Infekcni klinika VIA J. Ev. P., Prednosta doc. MUDr.  
Jaroslav Ondracek.

(RESPIRATORY TRACT, dis.  
ther., narcotics (Cz))

(NARCOTICS, ther. use,  
resp. dis. (Cz))

SKALICKY, Vladimir; JECHOVA, Vera

The importance of some microchemical color reactions in  
mycology. Biologia plantarum 6 no.1:57-65 '64.

1. Department of Botany, Faculty of Science, Charles University  
Praha 2, Benatska 2 (for Skalicky). 2. Botanical Institute,  
Czechoslovak Academy of Sciences, Pruhonice (for Jechova).

JE CHT, W.

Yugoslavia (430)

Technology

Safety measures in dr<sup>o</sup> ling. p. 19.  
NAFTA. Vol. 2, no. 12, Dec. 1951.

East European Accessions List, Library of Congress,  
Vol. 2, no. 3, March 1953. UNCLASSIFIED.

JECHT, W.

*[Signature]* ✓ 1023. Short air lines on ring diesel engines may cause explosions during gas eruptions. W. Jochi. No/ta (Yugoslavia), 1054, 1(3), 61-2.—To avoid explosion hazards with ring diesel engines, the air as well as the exhaust line has to be at least 30 ft long. Friction losses may be compensated by choosing larger尺寸—1 inch over normal. (Author's abstract.)

JECHT, W.

"Causes of breaks and damages of drill pipes and collars and damages to their threads."

p. 337 (Nafta) Vol. 8, no. 10, Oct. 1957  
Zagreb, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

11(4)

AUTHOR:

Jecht, Wilhelm, Engineer

YUG/4-59-1-3/16

TITLE:

"NCGJ-58" Drilling Machine (Bušača garnitura tipa  
"NCGJ-58")

PERIODICAL:

Nafta, 1959, Nr 1, pp 25 - 28 (YUG)

ABSTRACT:

After dealing with the difficulties and cost involved in transporting drilling machines for seismic reflection drilling to inaccessible sites, the author emphasizes that such a machine should also be, for reasons of economy, adaptable to other kinds of geological drillings and easy to transport and assemble. The "Savica-285" drilling machine produced in the workshops of the Poduzeće za istraživanje nafte (Petroleum Prospecting Enterprise) "Crna Gora" in Buljarica proved to be economical and suitable for seismic drilling, factors which are of great value to this Enterprise which has to prospect in inaccessible areas. The weight of the complete machine with motor is 354 kg and the time required for assembling is

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11(4)  
"NCGJ-58" Drilling Machine

YUG/4-59-1-3/16

15 minutes. The depths reached by this machine with the use of a 5-6 hp gasoline "TMZ" motor are as follows: about 80 m with a drilling bit of 76 mm diameter, about 120 m with a drilling bit of 66 mm diameter and 160 m with a drilling bit of 56 mm diameter. By changing the torque and using a 10-hp diesel or gasoline motor a depth of 300 m can be reached. A 12-hp motor can also safely be used with this machine. The machine is a domestic product, the only imported parts being the ball and roller bearings since bearings of the dimensions required for such a machine are not produced in Yugoslavia. The weight could be reduced by using duralumin which was not done in the case of the first 5 machines since they were needed very urgently and quickly. The life of such a machine could also be extended beyond the present limit by special care and careful lubrication. This factor was taken into

Card 2/3

11(4)  
"NCGJ-58" Drilling Machine

YUG/4-59-1-3/16

account during the designing of the machine and  
all parts requiring lubrication are easily access-  
ible.

ASSOCIATION: "Nafta, Crna Gora", Petrovac na moru

Card 3/3

15(5)

14(5)

AUTHOR: Jecht, Wilhelm, Engineer

YUG/4-59-1-9/16

TITLE:

Practical Experience With General Motors and Other Diesel Motors With particular Reference to the Use of Domestic Motor oils and Diesel Fuels From the "Boris Kidrič" Refinery (Radna iskustva s General-Motorsovim i drugim diesel-motorima s naročitim osvrtom na primjenu domaćih motornih ulja i diesel-goriva rafinerije "Boris Kidrič")

PERIODICAL: Nafta, 1959, Nr 1, pp 40 - 44 (YUG)

ABSTRACT: The article deals with the properties of the General Motors diesel motor, serial Nr 71, which is used by "Nafta Crna Gora" for drilling machines and also for some vehicles. Running tests based on conditions and instructions from General Motors to establish the suitability of the HD-oils (heavy duty oils) produced by the "Boris Kidrič" Refinery in Rijeka have been satisfactory. The quality of domestic HD oils for lubrication corresponds in every way

Card 1/2

15(5)

YUG/4-59-1-9/16

14(5)

Practical Experience With General Motors and Other Diesel Motors  
With particular Reference to the Use of Domestic Motor oils and  
Diesel Fuels From the "Boris Kidrič" Refinery

to the foreign product. The "Boris Kidrič" Refinery produces 4 kinds of HD oils, i.e.: Premium HD "Alfa D" (corresponds to the "MM/MS"-oils API Service) for fuels with up to 0.5% sulfur content; extra HD (API Service MS/DG) for fuels with up to 0.9% sulfur content; Super HD-S1 (API Service DG/DS) for fuels with up to 1.4% sulfur content and Super HD-S2 (API Service DG/DS) for fuels with a sulfur content over 1,4%. There are 3 graphs.

ASSOCIATION: "Nafta Crna Gora", Petrovac na moru

Card 2/2

15(5)

YUG/4-59-2-30/37

AUTHOR: Jecht, Wilhelm, Engineer

TITLE: Practical Experience With General Motors' and Other Diesel Motors, With Particular Reference to the Use of Domestic Motor Oils and Diesel Fuels from the Rijeka Refinery (Radna iskustva s General-Motorsovim i drugim diesel-motorima s naročitim osvrtom na primjenu domaćih motornih ulja i diesel-goriva rafinerije Rijeka).

PERIODICAL: Nafta, 1959, Nr 2, pp 79-83(YUG)

ABSTRACT: The article is a continuation of an article under the same title which was published in "Nafta", 1959, Nr 1. The author describes the tests conducted by General Motors on properties of diesel fuels and the suitability of General Motors motors for petroleum drilling. Motor oils from the Rafinerija nafta (Petroleum Refinery) "Boris Kidrič" in Rijeka have proved suitable for these motors. Satisfactory results with the gas oil

Card 1/2

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECHUMTAL, Jaroslav, inz.

Travel culture and tourism. Letecky obzor 8 no. 3865 Mr. 64

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

YUGOSLAVIA / Chemical Technology. Pharmaceuticals. H-17  
Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78712.

Author : Jecman, J.

Inst : Not given.

Title : Galenic Preparations Containing Penicillin.

Orig Pub: Farmac. glasnik, 1957, 13, No 3-4, 103-109.

Abstract: A review of the properties of penicillin and its most known galenic preparations and a method for the antiseptic application of this antibiotic, also suggestions to supplement the pharmacopeia II of Yugoslavia. Review. Twenty-two literature references are given.

Card 1/1

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECMEN, Jaroslav, st.

Contemporary preparation of ophthalmologic solutions. Farmaceut  
gl Zagreb 20 no.5:163-178 My '64.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

COUNTRY	: Yugoslavia	H-17
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 16 1959, No.	58071
AUTHOR	: Jecmen, J.	
INST.	: Not given	
TITLE	: The Evaluation of Galenic Cardiotonic Preparations	
ORIG. PUB.	: Farmac Glasnik, 14, No 11, 502-511 (1958)	
ABSTRACT	: It has been found that the usefulness of preparations (P) of the type described depends to a marked extent not only on the biological value and on the degree of decomposition but also on the quantitative and qualitative [sic] ratio of the individual glucosides. The author proposes either that methods for the determination of glucosides in the above-indicated P be developed or that the P be prepared from pure cardiotonic glucosides rather than from extracts. From author's summary	
CARD:	1/1	

KNEZ, Vaclav, inz.; JECMEN, Jiri, inz.

Effect of squeezed curd on the quality of cheese called  
Moravian loaf. Prum potravin 13 no.12:633-638 D '62.

1. Vyzkumny ustav mlekaresky, Praha (for Knez). 2. Zavody  
potravinarskych a chladicich stroju, n.p., vyzkumny ustav,  
Praha (for Jecmen).

INTRODUCTION

I. Communication Techniques — 7

    1. Communication by cable and radio relay (microwave) ... 11  
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    2. Radio communication — 42

    3. Means of detecting and jamming radio signals ... 88

II. Radar Techniques ... 98

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

Card 15/5

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECMINER, JOSEF

Technicka mechanika pro vyssi prumyslove skoly i pro praxi. 3. vyd. V Praze, Technicko-vedecké vydavatelství, 1952. [Technical mechanics; a textbook and practical manual. Vol. 1. Statics of solids. Graphs, tables.]

SO: Monthly List of East European Accessions, Vol.3, No.2, Library of Cong., Feb. 1954, Uncl.

POLACEK, Premysl, Doc.Dr., C.Sc.; JECNA, Sona

Embedding of anatomic preparations in coal tar. Cs morfologie 9  
no. 3:323-328 '61.

1. Anatomicky ustav lekarske fakulty Karlovy university v Hradci  
Kralove, prednosta prof. dr. Sc. Jan Hromada.

(ANATOMY)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECSAI, Andor, uzemi lapszerkeszto

Experiences of the Read and Learn movement in the Red  
Star Tractor Factory. Munka 13 no.5:18 My '63.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECSAI, Gy.; ELODI, P.

Studies on the sulfhydryl groups of LDH from skeletal muscle.  
Acta physiol. acad. sci. Hung. 24 no.1:29-34 '63.

1. Biochemical Institute of the Hungarian Academy of Sciences,  
Budapest.

(LACTATE DEHYDROGENASE) (SULFHYDRYL COMPOUNDS)  
(MUSCLES) (MUSCLE PROTEINS) (HISTOCHEMISTRY)

JECSAI, Gyorgyne

Amino acid composition of some fodders in Hungary. Allattenyesztes  
13 no.2:165-170 Je '64.

1. Division of Animal Physiology and Feeding, Research Institute  
of Animal Breeding, Budapest.

CSABA, G.; TORO, I.; KISS, F.I.; JEGSAY, G.; ELODI, P.

On the exact mechanism of the agar-binding reaction in a quantitative method. Neoplasma, Bratisl. 6 no.4:366-382 1959.

1. Histologisch-Embryologisches Institut der Medizinischen University  
Biochemisches Institut der Ungarischen Akademie der Wissenschaften,  
Budapest, Ungarn.  
(NEOPLASMA, diag.)

JECSAI, Gy.

Studies on D-glyceraldehyde-3-phosphate dehydrogenase. XIII.  
Isolation of D-glyceraldehyde-3-phosphate dehydrogenase from  
heart muscle. Acta physiol.hung. 17 no.2:161-164 '60.

1. Institute of Biochemistry of the Hungarian Academy of  
Sciences, Budapest.  
(DEHYDROGENASES chem.)  
(MYOCARDIUM metab.)

JECSAI, G.

Crystalline lactic dehydrogenase from pig skeletal muscle. Acta physiol.  
acad. sci. hung. 20 no.4:339-346 '61.

1. Biochemical Institute of the Hungarian Academy of Sciences, Budapest.

(LACTIC DEHYDROGENASE chem)  
(MUSCLES chem)

HUNGARY

ELCDI, Pal, JECSAI, Gyorgy, and TOTH, Piroska, of the Institute for Biochemistry at the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Biochimia Intezete) in Budapest.

"Studies on D-Glyceraldehyde-3-Phosphate Dehydrogenase. Part 19: The Effect of Sodium Dodecyl Sulfate on the Enzyme Activity and Structural Properties of Dehydrogenases"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol 23, No 2, 1963, pp. 87-99.

Abstract: [English article; authors' English summary] A study of the effect of Na-dodecyl sulfate (SDS) on the enzymatic and structural properties of phosphoglyceraldehydes dehydrogenase (PGAD) and lactic dehydrogenase (LDH) has yielded the following evidence: SDS inhibits the activity of both enzymes. PGAD is inhibited somewhat more intensely than LDH. The extent of inhibition is influenced by the protein: SDS ratio as well as by the actual protein concentration of the solutions. A slight increase is only caused by SDS in the levorotation

1/2

HUNGARY

JEGESI, Gyorgy, ELODI, Pal; Hungarian Academy of Sciences, Biochemical Research Institute (Magyar Tudomanyos Akademia, Biokemial Kutato Intezete), Budapest.

"Studies on the Sulfhydryl Groups of LDH From Skeletal Muscle."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 29-34.

Abstract: [English article, authors' English summary] The lactate dehydrogenase (LDH), prepared by the authors' method from pig skeletal muscle, contains 19-20 sulfhydryl groups, as determined by p-chloromercuribenzoate (PCMB) titration. In the native state, in neutral medium, the SH groups of skeletal LDH do not react with PCMB. They can be demonstrated only in alkaline media or after denaturation of the protein (treatment with urea, detergent). As indicated by viscosity data, the alkaline medium changes the tertiary structure of the protein. In the lactate-DPN reaction, at pH 10.0, the blocking of 20 SH groups inhibits the enzyme activity to about 50 per cent. Thus, the role of SH groups in the enzymatic activity of LDH in pig skeletal muscle is questionable, whereas in the case of LDH isolated from the heart muscle of the pig, the SH groups are essential for enzymatic activity. 3 Hungarian, 10 Western references.

1/1

JECU, M.

27  
The complexometric determination of phosphates and hexaphosphate. B. Vasiliev, Vera Schmitz, Elena Sisman, J. Frumiter, M. Jecu, I. Chialda, and Gr. Anastasescu (Inst. cercetari farm., si controluri med., Bucharest, Romania). *Lucrările prezentării conf. naș. farm., Bucharest* 1958, 100-7.—A new complexometric method is proposed for the indirect detn. of the phosphates of Na, K, Ca, Mg, and codeine, as well as of hexaphosphate, by pptns. with Bi nitrate in a medium of dil.  $HNO_3$  and titration of the excess of Bi nitrate with Complexon III, with Pyrocatechol Violet used as a specific indicator. The pptn. of the Bi nitrate is quant. and thus the solv. of the ppt. does not affect the results.  
Pelletas D. Goodman

LB  
11

L 31451-66

ACC NR: AP6023181

SOURCE CODE: RU/0003/65/016/002/0104/0105

21  
B

AUTHOR: Vasiliev, R.; Fructer, J.; Jocu, M.

ORG: Institute for the State Control of Drugs and Pharmaceutical Research (Institutul pentru controlul de stat al medicamentelor si cercetari farmaceutice)

TITLE: New method for the dosage of methadonehydrochloride

SOURCE: Revista de chimie, v. 16, no. 2, 1965, 104-105

TOPIC TAGS: perchloric acid, dioxane, chloroform

ABSTRACT: The authors describe a simple, rapid and precise method for the determination of methadonehydrochloride. The method uses titration in a chloroform medium with a titrated solution of perchloric acid in dioxane, using methanil yellow as indicator. To remove interfering Cl ions, preliminary treatment with mercuric acetate is used. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none

Card 1/1 JT

0975

13-921

L 34902-66

ACC NR: AP6026621

SOURCE CODE: RU/0003/65/016/005/0293/0294

35  
PAUTHOR: Vasiliev, R.; Fruchter, J.; Jecu, M.ORG: Institute for the State Control of Drugs and Pharmaceutical Research (Institutul pentru controlul de stat al medicamentelor si cercetarii farmaceutice)

TITLE: Determination in nonaqueous medium of pethidine hydrochloride in the presence of metanil yellow indicator

SOURCE: Revista de chimie, v. 16, no. 5, 1965, 293-294

TOPIC TAGS: quantitative analysis, potentiometer, chloroform, perchloric acid, dioxane, pharmacology

ABSTRACT: The authors describe a method for the determination of pethidine hydrochloride which is also applicable to the injectable solution. It involves dissolving the substance in chloroform and titration with perchloric acid in dioxane solution, using metanil yellow as indicator. The precision of the method was confirmed by comparing the results with those obtained by potentiometric determination. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 07, 06 / SUBM DATE: none

Card 1/1 ULR

0916 2348

Jecu, H.

VASILIU, R.  
SURNAME (in caps); Given Name

Country: Romania

Academic Degrees: Pharmacist

Affiliation: \*)

Source: Bucharest, Pharmacia, No 5, May 61, pp 303-306.

Date: "Determination of 3-Benzylthiomethyl-6-Chloro-7-Sulfamyl-1,2,4-Henzothiadiazin-1,1'-Dioxide in "Fovane" Tablets."

Co-authors:

JECU, H., Pharmacist.

SCINTIA, Vera, Pharmacist.

\*)

Work performed at the Institute for the State Control of Drugs and of Pharmaceutical Investigations" (Institutul pentru Controlul de Stat al Medicamentului si Cercetarii Farmaceutice), Bucharest.

VASILIEV, R.; SCINTEE, V.; CHIALDA, I.; SISMAN, E.; FRUCHTER, J.;  
JECU, M.

Identification and determination of antipyrine pyramidon, and  
novalgin in the mixtures which contain these three components.  
Rev chimie Min petr 13 no.12:759-760 D '62.

1. Institutul pentru controlul de stat al medicamentelor si  
cercetari farmaceutice.

VASILIEV, R.; FRUCHTER, J.; JECU, M.

Determination of piperidine in nonaqueous medium. Rev chimie Min  
petr 14 no.5:302 My '63.

1. Institutul pentru controlul de stat al medicamentelor si  
cercetari farmaceutice.

VASILIEV, R.; FRUCHTER, J.; JECU, M.

Determination of cyclohexylamine in a nonaqueous medium. Rev  
chimie Min petr 14 no.5:303 My '63.

1. Institutul pentru controlul de stat al medicamentelor si  
cercetari farmaceutice.

VASILIEV, R.; FRUCHTER, J.; JECU, M.

A new method of dosing methadone hydrochloride. Rev  
chimie Min petr 16 no.2:104-105 F '65.

1. Institute for State Control of Medicine and Pharmaceutical  
Research, Bucharest.

JECU, P.

TECHNOLOGY

REVISTA CAILOR FERATE Vol. 6, no. 9, Sept.1958.

Protection of excavation extremities from snow. p.475.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 5<sup>3</sup>  
May 1959, Unclass.

Horch

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECZALIK, A.

"Quick method for determination of RO in iron ores," Przeglad Geologiczny,  
Warszawa, No 5, May 1954, p. 192.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECZALIK, A.

"Exactness of the chemical analysis of silicates," *Przeglad Geologiczny*,  
Warszawa, No 8, Aug 1954, p. 336.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECZALIK, A.

Chemical analysis of silica, p. 82. (PRZEGLAD GEOLOGICZNY, Warszawa, No. 2,  
Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955,  
Uncl.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECZALIK, AUGUSTYN

Poland/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61827

Author: Jeczalik, Augustyn

Institution: None

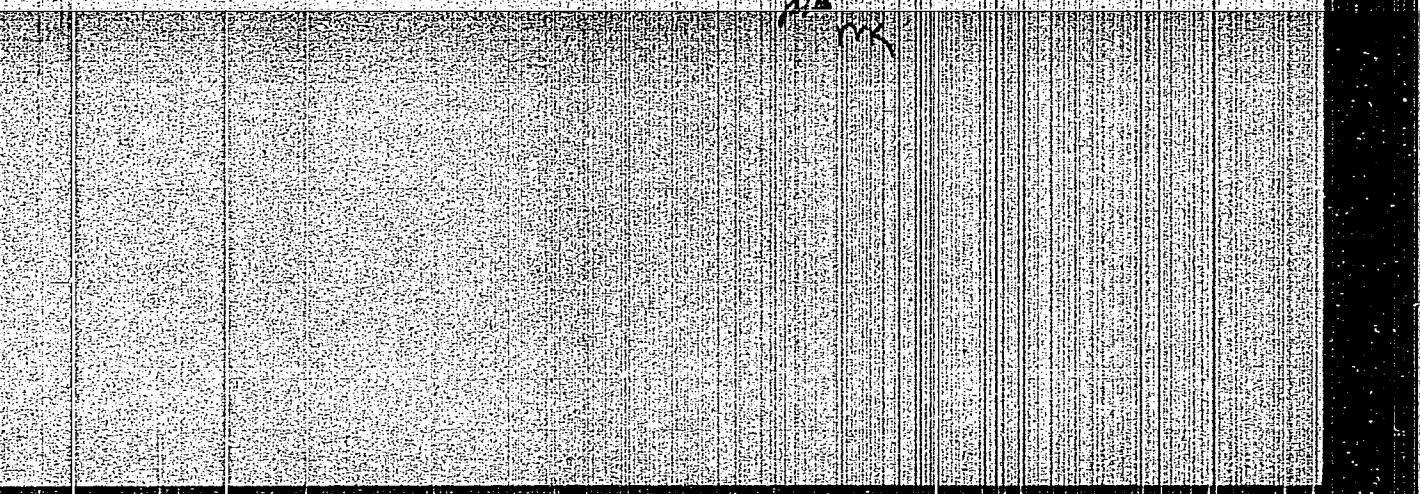
Title: Analysis of Strontium Minerals

Original  
Periodical: Analiza mineralow strontowych, Przegl. geol., 1955, No 8, 382-385;  
Polish

Abstract: Description of a method suitable for production evaluation of Sr-minerals and for technological purposes. In one sample are determined SrO, BeO, CaO and SO<sub>3</sub>, in another SiO<sub>2</sub>, R<sub>2</sub>O<sub>3</sub>, and MgO. Other determinations (CO<sub>2</sub>, Na<sub>2</sub>O, K<sub>2</sub>O and moisture) are made in separate samples as in the analysis of usual carbonate rocks. After conversion of sulfates of Ca, Ba and Sr to carbonates and their separation from SO<sub>4</sub><sup>2-</sup>, Ca is separated from Sr and Ba by precipitation method using HNO<sub>3</sub>, Sp. Gr. 1.445 (Groves, A. W., Silicate Analysis, 2 Ed., London, 1951). Ba is separated from Sr by the method of

Card 1/2

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619610004-4



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619610004-4"

A. JeczALIK

Cool, remove the drying chamber and attach weighed absorption vessels for  $\text{H}_2\text{O}$  (anhyd.  $\text{CaCl}_2$ ) and  $\text{P}_2\text{O}_5$ , satd. with  $\text{CO}_2$  and for  $\text{CO}_2$  (ROH soln). Cover the bulb with a piece of platinum foil and, passing a slow stream of air, heat with a burner.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

(Chama Analitycna) Vol. 1, part 1, 1956. Marzani, P. and

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECZALIK, A.

TECHNOLOGY

PERIODICAL: PREZGLAD GEOLOGICZNY. Vol. 6, no. 3, Mar. 1958.

JECZALIK, A. A new radiochemical method of searching and calculating uranium ore resources. p. 118.

Monthly List of East European Acquisitions (EEAI) LC Vol. 3, no. 4  
April 1959, Unclass.

JECZALIK, A.

The role of organic substances in the geochemical uranium cycle. p. 216.

PREZEGLAD GEOLOGICZNY. Wydawnictwa Geologiczne. Warszawa, Poland, Vol. 7, No. 5, May, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.  
Uncl.

JECZALIK, Tadeusz

One hundred one point four. Results of planned production in the  
building materials industries. Interview with director A. Giersz.  
Przem mat budow 9 no.17:1, 30 Ap 12.

JECZALIK, Tadeusz

The Chrzanow Lime Industrial Works in Plaza are calling for  
help. Przem mat bud 9 no.25:3 18 Je '62.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4

JECZALIK, Tadeusz

A motto for the average day; on socialist labor competition.  
Przem mat bud 9 no.26:1 25 Je '62.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610004-4"

JECZALIK, Tadeusz

In the shadow of Fraczka Jodlowa; on the Bukowa Lime Works.  
Przem mat bud 9 no.29/30:6 22 Jl '62.

JACZY, K., JR.

JACZY, K. JR. Measurement of radioactive rays by computing tube equipment. p. 244.

Vol. 5, No. 11, Nov. 1955.

RADIOTECHNIKA

TECHNOLOGY

Budapest, Hungary

See: East European Accession, Vol. 5, No. 5, May 1956.

JEGZAY, K.; JR..

Measurement of radioactive rays by means of tubular counting equipment; connecting elements of simple counting equipment. p. 268.  
Vol 5, no. 12, Dec. 1955. RADIOTECHNIKA, Budapest, Hungary.

Sc: Eastern European Accession. Vol 5, no. 4, April 1956

JEDELSKY, V., MUDr.

Possibility of lowering the morbidity rate in working people. Cesk.  
zdravot. 6 no.5:255-256 May 58.

I. primar neurologickeho oddeleni OUNZ Sternberk.  
(INDUSTRIAL HYGIENE  
lowering of morbidity rate in indust. (Cz))  
(VITAL STATISTICS  
morbidity in indust., lowering of rate (Cz))

CZECHOSLOVAKIA

V. JEDELSKY and A. STRYGLOVA, Neurology Division of Hospital with  
Outpatient Unit (Neurologicke oddeleni nemocnice a poliklinikou),  
Okres Health Unit (OUNZ/Okresni Ustav Narodniho Zdravja) Okres Olomouc,  
Sternberk.

"Cerebral Hemorrhage into the Hypophysis."

Original, Ceskoslovenska fysiologie, Vol 25(58), No 6, Nov 1962; pp 406-407.

Abstract [English summary modified]: Case report of woman aged 31, suffering from recurrent headaches for many years, but with marginal physical findings: radiologic suspicion of possible pituitary tumor; at one visit sudden "attack" of acute migraine, not unlike many earlier ones according to patient, but condition rapidly worsened, with death 36 hours later: cerebral edema due to massive pituitary hemorrhage. No tumor, cause still somewhat elusive: postulated tiny vascular malformation in the area. Two slides, rentgenogram of sella.

1/1

JEDERAN - M.

HUNG.

113. Some problems of warp beam braking — M. Jederan  
(Magyar Textillechnika — 1954, No. 9, pp. 329-330,  
6 figs, 1 tab.)

In the braking of warp beams with ropes or chains, the braking force depends upon the coefficient of friction and upon angle  $\alpha$  between the two branches of the rope or chain. By raising this angle, at first the braking force increases abruptly; however, after 2.5 to 3° this increase becomes insignificant and the danger arises that the dead weight of the fixed end of the rope will exceed the force acting in the same. In this case the rope may wind onto the friction pulley and draw the brake lever up to the warp beam, thereby damaging the warp yarn. This danger increases with reducing beam diameters; moreover, with very small diameters it may be observed that the beam delivers the yarn intermittently. This is due to the fact that the coefficient of kinetic friction is lower than that of static friction. The increase of the warp tension turns the warp beam; consequently the friction

14. *SEDEBA*  
decreases, the warp beam rotates until the tension overcomes the reduced friction. As soon as the warp axle tension becomes static again, this effect can be eliminated by using leather or cloth-lined brakes. At a constant braking force the decrease of the warp beam diameter causes a hyperbolic increase of the warp tension. Computations deduced from the Euler formula show that if the warp tension is to be kept within admissible limits, those warp beam diameters for which a shifting of the weights is required form a geometrical progression. A definite brake lever length belongs to each of those diameters, depending on the ratio of maximum and minimum limit values and on  $\mu$  and  $a$ .

Jedrzej, M.

✓ 112. Criticism of measuring static tension. M. Jedrzej.  
Magyar Textiltechnika, 1955, No. 11-12, pp. 418-420.  
12 figs., 3 tabs.

When switching on the Baer static warp tension tester (modified by the Hungarian Textile Research Institute) a secondary tension arises in the warp yarns. Therefore the registered values are significantly higher at low effective tensions whereas at increasing tensions they are higher in a gradually increasing manner than the effective tensions. This has been proved by the electronic tension testing method developed at the Budapest Technical University. During weaving dynamic tensions arise which differ from the static tensions. It has been established that the measuring of static tension in itself cannot lead to reliable results however the change of dynamic tension is a complicated phenomenon depending on many circumstances. By trying to find the connection between the easily measurable static tensions and the difficult to measure dynamic tensions an analysis of the rope brake is given, the max. value and the changes of the static tension in the zone of static equilibrium are determined. The author maintains that the oscillation of the brake lever and the

Warp beats are due to the self-locking of the brake rope. This is one of the causes of fluctuation in warp tension. The dynamic tension arising with open shed corresponds fairly well with the static maximum. A great deal more research work is necessary for the final clarification of this subject.

JEDERAN, M.

TECHNOLOGY

PERIODICA POLYTECHNICA. ENGINEERING. (Budapesti Műszaki Egyetem) Budapest.

JEDERAN, M. Theoretical examination of the automatic warp beam brake, In German. p. 57.

Vol. 2, no. 2. 1958.

Monthly List of East European Accession (EEAI) LC Vol. 8, No. 3  
March 1959, Unclass.

JEDERAN, M.

Influence of the kinematic parameters of the loom on energy consumption. p. 393.

MAGYAR TEXTILTECHNIKA, (Textilipari Muszaki es Tudomanyos Egyesulet)  
Budapest, Hungary, Vol. 10, no. 11/12, Dec. 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

JEDERAN, M.

"Up-to-date principles and solutions concerning automatic looms." p. 55

MAGYAR TEXTILTECHNIKA (Texilipari Muszaki es Tudomanyos Egyesulet)  
Budapest, Hungary, Vol. 11, No. 2, Feb. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959  
Uncl.

JEDEFAN, M.

The situation and prospects of the preparatory technology in silk industry.  
p. 148.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszaki es Tudomanyos Egyesulet)  
Budapest, Hungary. Vol. 11, no. 4, Apr. 1959.

Monthly List of East European "ccessions (EEAI) LC, Vol.8, no. 2, July 1959.  
Uncle.

Jederan, M.

A comparative investigation of the sliding and rolling bearing supports  
on a R. 105 weaving loom. p.344

MAGYAR TEXTILTECHNIKA. (Textilipari Muszaki es Tudomanyos Egyesulet)  
Budapest, Hungary. Vol.11, no.9, September 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11  
November 1959  
Uncl.

JEDERAN, M.

Investigation of the motion of a shuttle depending upon the parameters of its shuttling mechanism. p.440.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszaki es Tudomanyos Egyesulet)  
Budapest, Hungary. Vol. 11, no. 11, Nov. 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,  
Feb. 1960 Uncl.